

COUNTY FOREST COMPREHENSIVE LAND USE PLAN

TABLE OF CONTENTS

Rev. 12/08/21

CHAPTER 2000

PLANNING, REPORTS, BUDGET

2000	NEEDS OBJECTIVE AND FORMAT.....	2
2005	DETAILED ANNUAL NEEDS FOR FIFTEEN YEARS	2
2010	SUMMARY OF FIFTEEN-YEAR NEEDS	3
2015	WORK PLAN OBJECTIVE & POLICY.....	7
2020	ANNUAL WORK PLAN AND BUDGET.....	8
2020.1	2020-2021 ANNUAL ACCOMPLISHMENT AND WORK PLAN.....	8
2025	ACCOMPLISHMENT REPORTS OBJECTIVE & POLICY.....	15
2030	ANNUAL ACCOMPLISHMENT REPORTS.....	15
2035	PAST ACCOMPLISHMENTS	16
2035.1	TIMBER SALES	16
2035.1.1	Timber	16
2035.1.2	Non-timber Forest products	19
2035.2	REFORESTATION	19
2035.3	TIMBER STAND IMPROVEMENT	19
2035.3.1	Invasives Control.....	20
2035.4	RECREATIONAL DEVELOPMENTS	20
2035.5	WILDLIFE PROJECTS	21
2040	MONITORING.....	21
2040.1	FOREST TYPES	21
2040.2	HARVESTING	23
2040.3	FLORA / FAUNA.....	27
2040.4	RECREATION.....	27
2040.5	HIGH CONSERVATION VALUE FORESTS.....	27
2040.6	ROADS AND ACCESS	28
2040.7	OTHER	28

2000 NEEDS OBJECTIVE AND FORMAT

Objectives: To provide guidelines which define the optimum level of activities that should be undertaken to achieve full potential benefits from the forest.

Format and Policy:

Needs for the county forest shall be listed without regard to budgetary constraints or other limitations. This list shall identify the forest potential in terms of public benefits, investments or opportunities, and financial returns. Silvicultural needs of the county forest are identified in the Forest Compartment Reconnaissance printout. The DNR Public Lands Handbook describes procedures for use of this information. Other needs shall be determined by the Committee and the forest administrator, with technical assistance from the DNR and other interested agencies or individuals qualified to provide such assistance.

2005 DETAILED ANNUAL NEEDS FOR FIFTEEN YEARS

Annual silvicultural needs are identified in the Forest Compartment Reconnaissance printout. The printout, referenced in the plan, is available in the County Forest administrator's office. Printout listings include timber harvests, tree planting, and other silvicultural activities. Other unanticipated needs will be addressed in accordance with procedures outlined in this plan. These items will be identified and plans made for implementation, as part of the annual budget work plan prepared by the administrator and the Property Committee. Annual work plans are approved by the County Board and the Division of Forestry and forwarded to the DNR as required by statute (s. 28.11(5)(b) and s.28.11(5m)(b), Wis. Stats.

2010 SUMMARY OF FIFTEEN YEAR NEEDS

A schedule giving a summary of silvicultural needs and other needs for the period covered by this plan, appear as an inclusion in this chapter.

- **Equipment purchases:** No purchases necessary by the Forestry Department. Forest Administrator is filled by an independent contractor who provides a vehicle. Equipment is purchased by Maintenance Department, County Surveyor's Department along with Soil and Water Department.
- **ATV's, grooming equipment.** None. Provided by Maintenance Department and Local Clubs.
- **Roads.** No new road construction anticipated.
- **Land acquisition goals.** Barron County does not have an active acquisition program. Potential land acquisitions are pursued when interested landowners approach the county.

- **Timber Harvests-**



Long Term Harvest Goals

Print Date: 10/21/2020
Report 201

300 - BARRON COUNTY FOREST

Forest Type	15 Year Total (acres)	15 Year Average (acres)	Forest Type Description
A	2,254	150	ASPEN
BH	18	1	BOTTOMLAND HARDWOODS
BW	18	1	WHITE BIRCH
MD	27	2	MISCELLANEOUS DECIDUOUS
NH	1,725	115	NORTHERN HARDWOODS
O	3,884	259	OAK
PR	397	26	RED PINE
PW	225	15	WHITE PINE
SB	24	2	BLACK SPRUCE
SH	89	6	SWAMP HARDWOODS
SW	18	1	WHITE SPRUCE
T	106	7	TAMARACK
Total:	8,785	585	

* This report reflects average acreage goals over a 15 year period. The specific acreage goals for each year are presented on the Annual Goals page. The information presented above should not be used for annual target amounts.



Harvest Schedule Summary

Print Date: 10/21/2020
Report 204

300 - BARRON COUNTY FOREST

Year	Annual Goal (All Forest Types)	Forest Type	15 Year Average
2020	779	A	150
2021	1,194	BH	1
2022	481	BW	1
2023	410	MD	2
2024	403	NH	115
2025	568	O	259
2026	853	PR	26
2027	100	PW	15
2028	375	SB	2
2029	889	SH	6
2030	1,157	SW	1
2031	235	T	7
2032	64		
2033	656		
2034	621		
Total :		Total :	585

Total : 8,785

- Planting
 - Approximately 8 ac. is scheduled to be planted at the Arland Rifle Range in 2021-2022.
- Property maintenance:
 - Property line surveying for timber sales will continue to be carried out by the County Surveyor or contracted to a qualified surveyor. Lines will be maintained as needed.
 - Invasive species will need to be monitored and controlled.
- Recreation (new and maintenance):
 - Trails (snowmobile, ATV, ski, bike, and hiking) will be developed on an as needed basis after discussion with the Property Committee. Maintenance will continue to be provided by local clubs.
 - No formal campsites, shelters or parking areas are anticipated to be developed on the County Forest. Any development would be under the direction and guidance of the Property Committee.
- Wildlife management:
 - Maintenance of flowages will done in collaboration of the DNR.
 - Hunter access trails will continued to be maintained by the County maintenance Dept. No new trails are expected to be constructed.
- Fisheries management:
 - Structures, surveys and habitat work will be under the guidance of the DNR.
- Personnel:
 - No increase in personnel is expected in the near future.

Note: The “Needs” schedule is put together for planning purposes. The best available information has been used in developing the schedule. It is not intended to be followed without modification. Forests are dynamic and managers must be adaptive to change. Funding and staffing shortfalls may also impact the ability of Barron County Forestry Department to fulfill identified needs. Refer to Chapter 2020 – Annual Work Plan and Budget, for reference on progress towards the identified needs in this chapter.

2015 WORK PLAN OBJECTIVE AND POLICY

OBJECTIVE

To develop an annual work plan and budget that will satisfy the needs specified in Chapter 1000 to the greatest extent feasible, consistent with program priorities established in the Mission Statement.

POLICY

The County Forest program will sustain a level of operation that considers the needs of the forest and the public in accordance with the goals identified in Chapter 100.

2020 ANNUAL WORK PLAN AND BUDGET

Each year an Annual Work Plan and Budget shall be prepared by the forest administrator with assistance from the Committee and the DNR liaison forester. This plan shall be based upon the detailed annual needs contained in Section 1100 of the Plan. Annual work plans are approved by the County Board and forwarded to the DNR as required by Wisconsin statutes s. 28.11(5)(b) and s.28.11(5m)(b). Following County Board approval, a copy is provided to official copy-holders of the County Forest Comprehensive Land Use Plan for inclusion as an amendment in this chapter.

2020.1 2020-2021 ANNUAL ACCOMPLISHMENT AND WORK PLAN

I. MANAGEMENT ACTIVITIES

- A. The Barron County Forest is comprised of 14 compartments with a total of 16,179 re-conned acres *. In addition to the acreages listed below approximately 100 acres are in the process of being re-conned and entered.

Forest Cover:

1. Aspen	4,659 acres
2. Bottomland Hardwoods	18 acres
3. White Birch	18 acres
4. Red Maple	9 acres
5. Northern Hardwoods	2,147 acres
6. Oak	4,995 acres
7. Red Pine	411 acres
8. White Pine	236 acres
9. Black Spruce	24 acres
10. Swamp Hardwoods	300 acres
11. White Spruce	18 acres
12. Tamarack	171 acres

Non-forest cover:

1. Cool Season Grass	42 acres
2. Developed Use	18 acres
3. Emergent Wetland	448 acres
4. Upland grass	30 acres
5. True grasses	4 acres
6. Marsh	492 acres
7. Bog	192 acres
8. Lowland Grass	23 acres
9. Water	47 acres
10. Lowland brush	243 acres
11. Minor lakes	593 acres
12. Minor streams	22 acres
13. Right-of-way	121 acres
14. Shallow Lake	357 acres
15. Upland brush	9 acres
16. Rock outcrops	47 acres
17. Upland Shrub	4 acres
18. Wetland Shrub	295 acres
19. Wetland Shrub - Alder	158 acres

* Totals may not match due to rounding.

- B. The Forest access road system consists of approximately 70 miles of trails and access roads classified under primary and secondary access roads. Details of classification system can be found in Chapter 700 and a map in Chapter 900 of the 2006-2020 Comprehensive Land Use Plan.

II. TIMBER SALE PLANNING AND ESTABLISHMENT

A. Status of past due close-outs of completed sales.

- Fourteen (14) sales were closed-out in FY 2019. Five (5) sales have or are expected to be closed out in FY 2020.

B. Timber Sale Revenue

- Timber sale revenue for FY 2019-2020 was \$ 118,114.26.

C. The Fall 2020 Timber Sale Bid Opening was postponed. A spring 2021 bid opening is tentatively scheduled.

D. Active timber sales.

- There are currently three (3) active sales (harvest has been completed and they are in the process of being closed-out). One (1) sale is under contract and has not been opened. One (1) sale remains un-sold.

E. New timber sale development for 2021

- For 2021 approximately 460 acres of timber sale establishment will be completed. The acreage being established consists of northern hardwood thinning, aspen regeneration harvests and pine thinning. Additional acreage may be added pending a boundary dispute.

F. DNR Time Standards County Forest Time Standards

- The goal for DNR hours on Barron County Forest was 478 hours and was met by DNR forestry personnel. The 2020-2021 goal is 478 hours, which will be met by primarily Janette Cain, DNR Liaison Forester.

III. FOREST RECONNAISSANCE

- A. Forest reconnaissance is completed following completion of timber sale or when stand is physically entered and then rescheduled. Currently 1.06 % of the Barron County Forest recon is older than 21 years.

IV. FUTURE DESIRED CONDITIONS

The Barron County Forest will see a natural conversion of oak to the northern hardwood cover-type. The county will continue efforts to maintain oak through the use of regeneration harvest, fire and timber stand improvement techniques, in stands that exhibit good oak regeneration potential. The past stands where oak regeneration harvest was done will be monitored for success using WisFIRS program

EAB - Due to the expected rise in the Emerald Ash Borer population the future of the ash species is bleak. Many ash are designated to be cut with each new sale establishment.

Oak Wilt - Efforts will be made to continue to monitor for Oak Wilt, especially in the 2017 tornado valley.

Buckthorn and garlic mustard are the main invasive species. Garlic mustard found in a small area in the northwestern part of the county. Plans are to continue to monitor these areas and treat as necessary.

V. TIMBERSTAND IMPROVEMENT

Areas will continue to be identified for potential T.S.I.

VI. REFORESTATION / REGENERATION

- A. Re-forestation of the area around the Arland Rifle range will be prepped for re-forestation.

VII. FOREST PROTECTION

- A. A majority of the Barron County Forest is in the DNR intensive fire protection zones. The Silver Creek and Hay River Compartments are in non-protective zones. Agreements are in place with the appropriate fire departments.

Fire is not normally a problem except during extreme conditions. Barron County has very little conifer type to be of concern.

- B. There have been no major outbreaks of insects or diseases on the County Forest. Specialists are called in whenever something of interest or an unusual nature is detected. Larch beetle is causing some mortality. EAB (emerald ash borer) has been detected in southern Sawyer County. EAB and Gypsy Moth are anticipated to be future problems.

- C. An area of buckthorn was treated in the Silver Cr. Compartment. Work was completed in the fall of 2020. Funding was provided by a Sustainable Forestry Grant.

VIII. MAINTENANCE OF EQUIPMENT AND FACILITIES

Barron County has no buildings and/or campgrounds on the County Forest.

- A. Gates. Gates and signs are constructed and maintained with time and monies budgeted in the County Maintenance budget.
- B. Roads and Trails Annually, money is budgeted for maintenance and development of forest access roads. Gates and signs are constructed and maintained with time and monies budgeted in the County Maintenance budget. An existing road to Goose Lake in the Mikana block is be open to public vehicle access. The road is improved with matting and rock by the County's Maintenance staff on an as needed basis.

- C. Property Lines. County surveyor will continue to identify property boundaries as timber sales are set-up. Earlier property lines in need of re-marking will be identified. GIS Department created a "layer" identifying property lines and the dates they were installed.

IX. Aid Monies

- A. Wildlife Habitat Fund for 2020 (\$.05 / ac.) monies were spent establishing fruit tree plantings for wildlife. 2021 funds will continue to be used for future plantings.

B. County Conservation Aids

- 2020-2021 Allocation will be directed to the maintenance of water control structures and beaver control primarily in the Bear Lake and Narrow-Gauge Compartments.

X. GIS - BARRON COUNTY FOREST

Additional roads and trails will be added to the database if and when they are developed.

XI. LAND PURCHASES, SALES, EXCHANGES WITHIN COUNTY FOREST

No land purchases were made in 2020.

XII. Permits

- A. Eight (8) firewood permits were issued in 2020. Revenue generated was \$ 200.00.
- B. Three (3) permits were issued in 2020 to allow disabled individuals motorized access to the county forest.
- C. Three (3) Christmas Permits were issued. Revenue generated was \$22.17.

XIII. INTERACTION WITH OTHER GROUPS

- A. Snowmobile Clubs - Whenever possible, segments of the Barron County snowmobile trail system are placed within the Barron County Forest. To the greatest extent possible, trails are placed on existing forest access roads. Such placement often eliminates need for brushing on such segments. Disruption of snowmobile trails for logging is usually minimal. The Conservation Deputy works closely with all snowmobile and ATV clubs in the County.
- B. Skiing - The Barron County Forest has a ½ mile lighted cross-country ski trail in the Waterman Lake block. Site includes a parking lot and warming house. Members of the Ice Age Trail developed and placed an information Kiosk along with paving the parking lot with the cooperation of the Barron County Highway Department. All are maintained by the Cumberland Area Ski Touring Association (CASTA). The County provides annual funding to assist in the maintenance of this resource.

For 01/01/20 - 06/30/21

Expenditure Summary Report

FUEXS01A

Periods 01 - 13

EXP-S 100

01

Account No/Description	Adjusted Budget	Y-T-D Encumb	Period Expended	Y-T-D Expended	Available Balance	Percent Used
100 GENERAL FUND						
56100 COUNTY FOREST						
20-100-15-56100-111-000	4,021.00	.00	3,972.32	3,972.32	48.68	98.79
20-100-15-56100-112-000	.00	.00	31.52	31.52	-31.52	.00
20-100-15-56100-151-000	249.00	.00	231.08	231.08	17.92	92.80
20-100-15-56100-152-000	271.00	.00	270.22	270.22	.78	99.71
20-100-15-56100-154-000	1,632.00	.00	1,623.04	1,623.04	8.96	99.45
20-100-15-56100-156-000	179.00	.00	166.00	166.00	13.00	92.74
20-100-15-56100-159-000	58.00	.00	54.06	54.06	3.94	93.21
20-100-15-56100-200-000	30,121.68	.00	25,605.28	25,605.28	4,516.40	85.01
20-100-15-56100-225-000	.00	.00	1.87	1.87	-1.87	.00
20-100-15-56100-240-000	1,000.00	.00	1,277.04	1,277.04	-277.04	127.70
20-100-15-56100-310-000	500.00	.00	.00	.00	500.00	.00
20-100-15-56100-311-000	300.00	.00	2.94	2.94	297.06	.98
20-100-15-56100-324-000	2,450.00	.00	2,415.24	2,415.24	34.76	98.58
20-100-15-56100-326-000	250.00	.00	.00	.00	250.00	.00
20-100-15-56100-340-000	3,000.00	.00	817.19	817.19	2,182.81	27.24
20-100-15-56100-351-000	500.00	.00	14.38	14.38	485.62	2.88
20-100-15-56100-360-000	.00	.00	3,725.73	3,725.73	-3,725.73	.00
20-100-15-56100-363-000	1,000.00	.00	.00	.00	1,000.00	.00
20-100-15-56100-369-000	20,000.00	.00	8,293.03	8,293.03	11,706.97	41.47
20-100-15-56100-510-000	500.00	.00	.00	.00	500.00	.00
20-100-15-56100-829-000	1,000.00	.00	1,000.00	1,000.00	.00	100.00
20-100-15-56100-999-000	16,227.26	.00	.00	.00	16,227.26	.00
000	83,258.94	.00	49,500.94	49,500.94	33,758.00	59.45
56100 COUNTY FOREST	83,258.94	.00	49,500.94	49,500.94	33,758.00	59.45

2025 ACCOMPLISHMENT REPORTS OBJECTIVE AND POLICY

OBJECTIVE

To provide a quantifiable means of evaluating progress on both short and long term goals on the Barron County Forest.

POLICY

Annual accomplishments will be recorded as a historical record, to assist in future planning, and to provide documentation for both the County, and the County Forest system. This information is invaluable in addressing public, County Board, and other legislative inquiries on the operation of the Forest as well as assessing progress on goals.

2030 ANNUAL ACCOMPLISHMENT REPORTS

A copy of an annual accomplishment report shall be prepared and provided to members of the County Board and to official copyholders of this Plan for inclusion into this chapter.

This report shall include, at a minimum, the following:

1. Timber sale accomplishments including gross and net sale receipts and harvest goals achieved.
2. Timber stand improvements accomplishments.
3. Recreation development and maintenance accomplishments including recreation revenues and expenses.
4. Wildlife management accomplishments including revenues and expenses.
5. Fisheries management accomplishments including revenues and expenses.
6. Other accomplishments identified as “needs” in Chapter 1000.

2035 PAST ACCOMPLISHMENTS

2035.1 FOREST PRODUCTS

2035.1.1 Timber

Barron County Forest Timber Sales

		Sawtimber	Pulpwood		CORD	TOTAL (\$)	SEVERANCES
YEAR	# SALES	(MBF)	(Cords)	ACRES	EQUIVALENTS	SALE VALUE	(\$) PAID
1949	1	N/A *	N/A *	1	2.72	\$15.86	\$7.93
1953	1	N/A *	N/A *	6	69.00	\$124.20	\$62.10
1954	3	N/A *	N/A *	51	163.37	\$1,149.83	\$575.06
1955	3	N/A *	N/A *	97	489.83	\$2,299.84	\$1,029.57
1956	2	N/A *	N/A *	79	283.61	\$2,162.14	\$860.58
1957	6	N/A *	N/A *	0	396.44	\$1,059.38	\$522.11
1958	6	N/A *	N/A *	0	1119.05	\$2,253.42	\$1,132.96
1959	2	N/A *	N/A *	30.25	221.41	\$399.60	\$199.80
1960	1	N/A *	N/A *	0	0.00	\$16.80	\$8.40
1691	2	N/A *	N/A *	29	280.98	\$505.76	\$252.90
1963	7	N/A *	N/A *	0	1468.38	\$2,444.56	\$1,114.80
1964	3	N/A *	N/A *	0	507.21	\$912.99	\$434.35
1966	3	N/A *	N/A *	30	216.00	\$369.70	\$73.94
1968	5	N/A *	N/A *	154	1527.16	\$2,779.94	\$555.98
1970	1	N/A *	N/A *	2	10.00	\$18.00	\$3.60
1971	8	N/A *	N/A *	212	1854.18	\$3,322.37	\$664.47
1972	2	N/A *	N/A *	54	567.93	\$1,230.08	\$246.01
1973	2	N/A *	N/A *	16	167.73	\$366.60	\$73.32
1974	9	N/A *	N/A *	137.5	1556.66	\$3,983.15	\$785.83
1975	3	N/A *	N/A *	45	140.77	\$1,223.41	\$244.48
1976	5	N/A *	N/A *	64	667.16	\$1,830.45	\$366.09
1977	7	N/A *	N/A *	133	1539.96	\$4,681.79	\$751.27
1978	4	N/A *	N/A *	255	2134.24	\$5,401.70	\$1,080.33
1979	6	N/A *	N/A *	234	1561.33	\$6,373.14	\$1,274.63
1980	9	N/A *	N/A *	338	4330.46	\$23,280.95	\$4,586.18
1981	12	N/A *	N/A *	403	5328.30	\$20,277.49	\$4,055.50
1982	1	N/A *	N/A *	111	1158.24	\$6,586.56	\$1,125.89
1983	9	N/A *	N/A *	1094	10386.44	\$100,635.77	\$20,127.16

1984	16	N/A *	N/A *	725	10649.73	\$38,652.25	\$7,730.45
1985	10	N/A *	N/A *	460	8274.11	\$37,100.09	\$7,420.02
1986	7	N/A *	N/A *	234	2540.56	\$41,509.35	\$8,301.88
1987	16	N/A *	N/A *	876	18557.83	\$81,235.15	\$16,247.03
1988	14	N/A *	N/A *	1524	21648.40	\$140,913.49	\$28,182.70
1989	10	N/A *	N/A *	342	8396.28	\$32,878.53	\$6,575.71
1990	4	N/A *	N/A *	82	1989.10	\$14,670.64	\$2,934.13
1991	10	N/A *	N/A *	838	12809.09	\$119,967.17	\$36,363.01
1992	8	N/A *	N/A *	217	4755.19	\$60,078.68	\$18,911.45
1993	7	N/A *	N/A *	365	9403.97	\$102,352.46	\$13,182.86
1994	5	N/A *	N/A *	115	1690.42	\$29,284.57	\$14,464.30
1995	3	N/A *	N/A *	162	2870.57	\$103,325.58	\$41,566.98
1996	5	N/A *	N/A *	431	6347.60	\$299,134.38	\$149,567.19
1997	9	N/A *	N/A *	326	5116.50	\$198,772.96	\$99,386.48
1998	5	537.97	2262	205	3445.53	\$136,815.27	\$68,361.64
1999	14	406.94	5121	518	6016.26	\$242,973.94	\$121,394.86
2000	5	283.3	3581.0	366	4204.36	\$201,394.59	\$100,695.00
2001	0	0	0	0	0	\$0.00	\$143,086.67
2002	8	614.03	4990	741	6340.86	\$327,808.81	\$24,325.02
2003	0	0	0	0	0	0	\$47,698.36
2004	4	388.5	3635	285	825.00	\$190,210.75	\$95,105.38
2005	0	0	0	0	0.00	\$0.00	\$28,563.83

YEAR	# of Sales	Sawtimber (MBF)	Pulpwood (Cords)	Acres	Total Cords Equivalents	Sales Value	Severances Paid
2006	0	0	0	0	0	\$ 0.00	N/A *
2007	6	827.18	5588	793	7407.79	\$ 320,572.99	N/A *
2008	9	793.00	7195.0	705	8941.64	\$ 505,294.64	N/A *
2009	10	732.51	5774.29	685	7385.81	\$ 414,796.79	N/A *
2010	10	887.00	6237	1260	8188.81	\$ 457,528.79	N/A *
2011	2	36.42	370	69	450.12	\$ 29,210.50	\$ 21,829.98
2012	0	0	0	0	0	\$ 0.00	\$ 113,210.83
2013	12	1233.68	6990	1684	9704.09	\$ 536,835.94	\$ 73,369.76
2014	10	1316.53	8948.98	1999	11815.35	\$ 635,492.83	\$ 94,337.11
2015	1	35.48	300	48	378.0506	\$ 14,935.35	\$ 29,112.03
2016	1	317.32	1870	243	2568.10	\$122,143.50	\$ 66,911.05
2017	0	0	0	0	0	\$ 0.00	\$ 165,241.71
2018	7	1549	7030	1008	10437.8	\$ 879,841.25	\$ 109,109.27
2019	13	555.20	9211	706	10321.4	\$ 419,940.71	\$ 101,931.99
2020	5	631.18	3627	471	5015.59	\$ 301,603.67	\$ 72,304.25

* Records Not Available

** Based on Closed Sales

2035.1.2 Non-timber forest products

YEAR	# Firewood Permits	Christmas Tree Permits
2006	0	0
2007	0	0
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0
2013	0	1
2014	14	0
2015	5	0
2016	5	1
2017	0	0
2018	1	1
2019	1	2
2020	0	3

2035.2 REFORESTATION

In 2002 a 20-acre direct seeding of oak took place in the Silver Cr. Compartment. No other artificial reforestation has taken place in the time period specified.

2035.3 TIMBER STAND IMPROVEMENT

- 2010 - 60 acres of T.S.I. were completed in the Cedar Lk. Compartment.
- 2012 – 20 acres of T.S.I were completed in the Cedar Lk. Compartment.
- 2013 - 42 acres of blade scarification was completed in the Cedar Lk. Block, north of 26th Ave.
- 2018 - 21 acres of blade scarification was completed in the Cedar Lk. Block south of 30th Ave.

2035.3.1 Invasives Control

- 2018 – 25 acres were treated with Garlon to control buckthorn east of the Loch-Lomond development in the Cedar Lk. Block.
- 2020 – Approximately 30 acres were treated in the Silver Cr. Block with Garlon to control buckthorn.

2035.4 RECREATIONAL DEVELOPMENTS

- 2007-2010 – Construction and development of a Handicap accessible trail and piers to allow access for fishing on Turtle Cr. In the Silver Cr. Compartment.
- 2010 - Equestrian Trails – Two trails along with a horse trailer camping area were established in the Narrow Gauge Compartment in 2010. Establishment and maintenance was supplied by and is the responsibility of the Barron County Horse Trail Association
- 2017 - Mountain Bike Trails. A Mountain bike trail was established in the Doyle block of the county forest. Five (5) loops were constructed containing approximately 7.5 miles. Construction and maintenance will performed in cooperation with CORBA (Chippewa Off Road Bicycle Association).
- 2018 - a second system of trails was developed in the Silver Creek Management unit. Approximately 13 miles of single track and double track are available. Construction and maintenance will performed in cooperation with CORBA (Chippewa Off Road Bicycle Association).
- 2018 - ATV Trail (Cedar Lk.) – Trail was constructed with a Grant from the DNR, connecting trails / routes from Rusk County through the County Forest to routes in the Loch-Lomond development on the west side of the Cedar Lk. Compartment. Approximate length - 4.3 miles.

2035.5 WILDLIFE PROJECTS

The Nickel/Acre Wildlife Habitat Grant (\$.05/ac) funds have been directed to creating fruit tree plantings for wildlife.

Annually, roads and trails are mowed and maintained to benefit wildlife. Dams are mowed and culverts maintained on as needed basis.

2040 MONITORING

The plan prepared for the period 2006-2020 was effective in meeting our objectives and providing sustainable forestry. No major changes over the last planning period required major changes in this plan.

2040.1 FOREST TYPES

Barron County Forest Composition

Cover Type	1981 Ac.	1981 % of Total	Acres Present (2021)	2021 % of Total	Acres Future	Acres Future %
Aspen	7284	62.54%	4740	36.00%	4654	35.7%
Black Spruce	55	0.47%	24	0.001%	24	0.001%
Bottomland Hdws.	0	0.00%	18	0.002%	18	0.002%
Fir-Spruce	27	0.23%	0	0.00%	0	0.00%
Misc. Hardwoods	0	0.00%	33	0.003%	6	0.001%
N. Hdwd.	1710	14.68%	2182	16.7%	5567	42.60%
Oak	1648	14.15%	4920	37.7%	1576	12.1%
Red Maple	0	0.00%	9	0.07%	33	0.30%
Jack pine	0	0.00%	0	0.00%	45	0.40%
Red pine	0	0.00%	397	3.10%	380	2.90%
Swamp Conifer	1	0.01%	0	0.00%	0	0.00%
Swamp Hardwood	312	2.68%	302	2.40%	255	2.00%
Tamarack	177	1.52%	172	1.40%	172	1.40%
Wh. Birch	157	1.35%	17	0.20%	17	0.20%
Wh. Pine	276	2.37%	237	1.9%	204	1.6%
Wh. Spruce	0	0.00%	18	0.2%	18	0.2%
Total Forested	11647	100.00%	13069	100.00%	13069	100%

Cool Season Grass	0	0.00%	42	1.30%	79	2.5%
Developed Use	0	0.00%	18	0.60%	18	0.60%
Emergent Wetland	0	0.00%	448	14.0%	590	18.4%
Minor Lk.	0	0.00%	593	18.5%	578	18.00%
Minor Stream	0	0.00%	22	0.70%	436	13.60%
Muskeg - Bog	0	0.00%	192	6.00%	200	6.30%
Right of Way	0	0.00%	121	3.80%	121	3.8%
Rock outcrop	0	0.00%	47	1.5%	46	1.50%
Shallow Lk. / Deep Marsh	0	0.00%	357	11.1%	425	13.2%
Upland Shrub	0	0.00%	4	0.2%	13	0.40%
Water	0	0.00%	47	1.5%	27	0.90%
Wetland Shrub	0	0.00%	295	9.2%	512	15.9%
Wetland Shrub - Alder	0	0.00%	158	4.9%	174	5.4%

Total non-forest	807	100.00%	3219	100.00%	3219	100.00%
Total Property	12454		16288		16288	

Barron County forest has seen a decrease in the aspen cover-type. This change is primarily due to the conversion of the aspen type to northern hardwood and oak. There is a conscious effort to retain the oak type along with a general transition to the northern hardwood type.

2040.2 HARVESTING

Listed below is a summary of forest management goals for the three major forest types on the Barron County Forest for the period 2006 through 2020.

BARRON COUNTY FOREST

ASPEN (Acres)

YEAR	PROJECTED NEED	Established
2006	25	25
2007	92	92
2008	43	8
2009	18	18
2010	24	0
2011	24	0
2012	54	26
2013	82	0
2014	140	7
2015	112	37
2016	76	10
2017	21	23
2018	208	208
2019	13	53
2020	26	81
Totals (15 yrs.)	934	588
Annual Average	62	39

NORTHERN HARDWOODS (Acres)

YEAR	PROJECTED NEED	Established
2006	127	127
2007	129	129
2008	0	0
2009	29	29
2010	678	0
2011	487	155
2012	386	123
2013	439	212
2014	639	29
2015	912	151
2016	524	0
2017	508	78
2018	113	113
2019	66	230
2020	281	81
Totals (15 yrs.)	5318	1457
Annual Average	354	97

OAK (Acres)

YEAR	PROJECTED NEED	Established
2006	101	101
2007	335	335
2008	550	162
2009	270	270
2010	727	0
2011	749	280
2012	814	894
2013	427	238
2014	411	149
2015	1090	331
2016	394	75
2017	350	273
2018	137	137
2019	110	0
2020	332	55
Totals (15 yrs.)	6797	3300
Annual Average	453	220

Barron County Forest

ALL SALES (acres)

YEAR	PROJECTED NEED	ESTABLISHED	RECON IN LIEU OF SALE (Deferred)	SOLD	CLOSED
2006	312	312	0	0	0
2007	619	614	5	341	793
2008	209	221	256	560	710
2009	361	361	0	249	691
2010	1962	0	1962	387	684
2011	1604	473	0	473	69
2012	1626	1139	18	521	0
2013	1193	481	0	618	842
2014	1429	229	21	481	1039
2015	2484	548	0	693	48
2016	1245	108	87	0	243
2017	1103	402	0	594	0
2018	0	0	0	286	944
2019	285	289	121	121	706
2020	735	147	157	73	471
Totals 15 yrs.	15167	5324	2627	5397	7240
Annual Average	1011	355	175	360	483

Discrepancies were due to scheduled stands not ready for harvest and were re-scheduled.

2040.3 FLORA / FAUNA

2040.3.1 Flora

One major change to the forest flora that has become most apparent is the proliferation of Buckthorn in much of the forest. Currently surveys are being done during re-con to identify high infestations and treat accordingly. The regeneration of the Oak type has been initiated. Regeneration efforts have been successful at establishing Oak seedlings and the resulting sapling stands. Whether or not this will result in quality Oak pole and saw log stands remains to be seen.

Past TSI efforts at reducing the amount of Ironwood saplings and poles in the under story of many hardwood stands has been successful and its negative impact on hardwood seedling reproduction nearly eliminated.

2040.3.2 Fauna

The high populations of many wildlife species have become readily apparent during the past 15 years. Populations of White tailed deer have been high during the entire period but others have become nearly as noticeable:

1. Turkeys have gone from nonhunnable populations to a species of concern with their continuous churning up of the forest floor. Hunting seasons are now available in all units of the forest.
2. Canada Geese now heavily nest nearly every wet land of the Forest. Their effects are most readily apparent on the dikes on the forest wildlife flowages.
3. Sandhill Cranes now nest and rear young in some of the forest compartments, where in the past they were seldom seen on the forest.
4. Ruffed Grouse and Woodcock are both populations that have shown diminishing level in the recent past. Which is probably due an increase in the percentage of maturing forest.

2040.4 RECREATIONAL USE

Demand for motorized recreation (primarily ATV use) has increased. Demand for mountain biking and equestrian use has also increased.

2040.5 HIGH CONSERVATION VALUE FOREST AREAS

There was one HCVF area identified in the previous plan. A review by the Department of Natural Resources- Bureau of Natural Heritage Conservation determined it did not meet the definitions of a HCVF. There are no identified HCVFs on Barron County Forest lands.

2040.6 ROADS & ACCESS

No need for increase in roads or access.

2040.7 OTHER

None.